For: SOLUTION FOR SEALING POROUS
METAL SUBSTRATES AND PROCESS
OF APPLYING THE SOLUTION

In the Specification:

Page 1, line 4, insert the following paragraph: --This application is a divisional application of my copending application Serial No. 10/120,053, filed April 10, 2002, and is filed under 35 U.S.C. §121.--

Please replace the paragraph beginning at line 17 on page 5 and ending at line 22 on page 5 with the following:

The aqueous inorganic solution of the present invention and the process for applying the solution to sintered powdered metal parts or castings formed from liquid metal reduces and seals the ~~surfaces~~ porosities of these parts, while negligibly affecting the dimensions of the parts and not altering the metallurgical or strength properties of the parts. Accordingly, the present invention solves the problems heretofore known in the technology of preparing powdered metal and liquid cast parts for efficiently receiving subsequent coatings that become more effective.

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Please replace the paragraph beginning at line 16 on page 15 and ending at line 7 on page 16 with the following:

EXAMPLE A

An aqueous sealing solution prepared as follows was evaluated on a sintered iron powdered metal component subsequently treated with the application of a corrosion resistance coating and evaluated in ASTM B-117 Neutral Salt Spray for corrosion resistance performance:

36 parts 2.00 weight ratio sodium silicate

24 parts 3.22 weight ratio sodium silicate

40 parts 2.50 weight ratio potassium silicate

The above components are mixed with low shear yielding a 100 part basis formulation to which is added:

0.3 parts xanthan gum dispersed in 100 parts filtered, deionized water along with 0.005 parts Triton X-100 wetting agent.